

Exercise:

Data analysis & Visualization

The file wave.dat contains some measurement of a frequency signal over time. During the experiment the program to measure the data has been changed, and after that there is an additional column in the data file that is not needed.

1. Use awk to extract the relevant data from the file.
2. Use a plot tool (gnuplot or xmgrace) to plot the "good" data.
 - a) Label the axes with "time/secs" and "Signal/V"
 - b) Give the plot a title
 - c) Create an EPS file that can be used in another document
3. Repeat 2), plotting both the defect and the good data sets in one figure.
 - a) - c) Like 2)
 - d) Add a legend box